

ARG40961 anti-IRF8 antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes IRF8
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Cow, Dog, Gpig, Hrs, Rb, Zfsh
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	IRF8
Species	Human
Immunogen	Synthetic peptide around the N-terminal region of Human IRF8. (within the following region: MFRIPWKHAGKQDYNQEVDASIFKAWAVFKGKFKEGDKAEPATWKTRLRC)
Conjugation	Un-conjugated
Alternate Names	H-ICSBP; ICSBP; ICSBP1; IRF-8; IMD32A; IMD32B; Interferon consensus sequence-binding protein; Interferon regulatory factor 8

Application Instructions

Predict Reactivity Note	Predicted Homology Based On Immunogen Sequence: Cow: 100%; Dog: 100%; Guinea pig: 100%; Horse: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 100%						
Application table	<table> <tr> <th>Application</th><th>Dilution</th></tr> <tr> <td>IHC-P</td><td>Assay-dependent</td></tr> <tr> <td>WB</td><td>1 µg/ml</td></tr> </table>	Application	Dilution	IHC-P	Assay-dependent	WB	1 µg/ml
Application	Dilution						
IHC-P	Assay-dependent						
WB	1 µg/ml						
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.						

Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS, 0.09% (w/v) Sodium azide and 2% Sucrose.
Preservative	0.09% (w/v) Sodium azide
Stabilizer	2% Sucrose
Concentration	Batch dependent: 0.5 - 1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

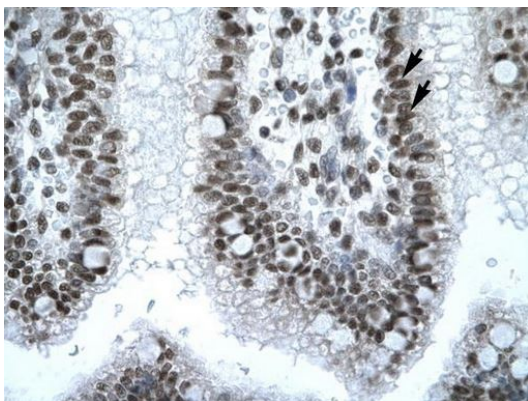
freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

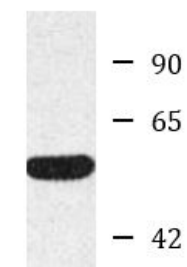
Gene Symbol	IRF8
Gene Full Name	interferon regulatory factor 8
Background	Interferon consensus sequence-binding protein (ICSBP) is a transcription factor of the interferon (IFN) regulatory factor (IRF) family. Proteins of this family are composed of a conserved DNA-binding domain in the N-terminal region and a divergent C-terminal region that serves as the regulatory domain. The IRF family proteins bind to the IFN-stimulated response element (ISRE) and regulate expression of genes stimulated by type I IFNs, namely IFN-alpha and IFN-beta. IRF family proteins also control expression of IFN-alpha and IFN-beta-regulated genes that are induced by viral infection. [provided by RefSeq, Jul 2008]
Function	Specifically binds to the upstream regulatory region of type I IFN and IFN-inducible MHC class I genes (the interferon consensus sequence (ICS)). Plays a negative regulatory role in cells of the immune system. Involved in CD8(+) dendritic cell differentiation by forming a complex with the BATF-JUNB heterodimer in immune cells, leading to recognition of AICE sequence (5'-TGAnTCA/GAAA-3'), an immune-specific regulatory element, followed by cooperative binding of BATF and IRF8 and activation of genes (By similarity). [UniProt]
Calculated Mw	48 kDa
PTM	Ubiquitinated (PubMed:25122610). Ubiquitination by TRIM21 in macrophages, a process that is strongly increased upon interferon gamma stimulation, leads to the enhanced transcriptional activity of target cytokine genes (By similarity). Ubiquitination leads to its degradation by the proteasome (PubMed:25122610). Sumoylated with SUMO3. Desumoylated by SENP1. [UniProt]
Cellular Localization	Nucleus. Cytoplasm. Note=In resting macrophages, localizes in the cytoplasm. Translocated in the nucleus upon IFN-gamma induction. [UniProt]

Images



ARG40961 anti-IRF8 antibody IHC-P image

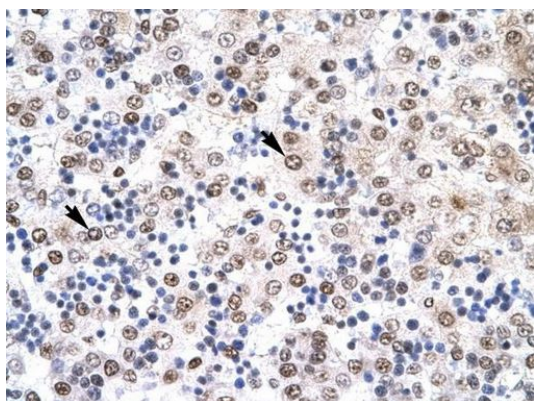
Immunohistochemistry: Paraffin-embedded Human intestine tissue stained with ARG40961 anti-IRF8 antibody.



DLD1

ARG40961 anti-IRF8 antibody WB image

Western blot: Human DLD1 whole cell lysate stained with ARG40961 anti-IRF8 antibody at 1 µg/ml dilution.



ARG40961 anti-IRF8 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human liver tissue stained with ARG40961 anti-IRF8 antibody.